

# Local Climatological Data



## MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN WABN #13740

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°	WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND 07AM	PRECIPITATION WATER EQUIVA- LENT IN	SNOW, ICE PELLETS IN.	AVG. STATION PRES- SURE IN. ELEV. FEET M.S.L.	WIND			SUNSHINE		SKY COVER TENTHS		
	MAXIMUM	MINIMUM	AVERAGE							DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST M.P.H.
1	87	69	78	0	62	0	0	0	29.64	36	6.0	8.5	15	618	73	3	4
2	79	66	73	-5	59	0	0	0	29.87	03	7.9	8.2	12	132	16	10	10
3	83	59	71	-7	58	0	0	0	30.05	07	6.5	7.6	14	759	90	8	8
4	85	58	72	-6	56	0	0	0	30.02	04	1.8	5.8	10	701	83	3	2
5	90	58	74	-4	62	0	0	0	29.91	20	5.1	5.3	10	599	71	7	6
6	95	64	80	2	64	0	0	0	29.81	20	6.6	7.1	13	674	81	2	4
7	90	70	80	3	68	0	0	0	29.78	17	4.9	6.0	17	262	31	10	10
8	81	69	75	3	70	0	0	0	29.78	16	3.6	4.2	10	30	4	10	10
9	76	63	70	7	68	0	0	0	29.73	34	9.0	9.6	17	23	3	10	9
10	87	60	74	-3	62	0	0	0	29.92	29	1.7	3.6	10	559	67	4	4
11	90	60	75	-2	63	0	0	0	30.04	08	1.7	2.6	8	748	81	2	2
12	84	60	72	-4	67	0	0	0	29.97	17	5.2	5.3	13	569	81	4	2
13	87*	69	83*	0	70	0	0	0	29.78	19	4.2	6.8	18	584	71	4	4
14	92	69	81	4	71	0	0	0	29.78	19	4.2	6.8	26	244	30	8	9
15	92	68	81	4	72	0	0	0	29.81	21	3.0	6.3	17	207	25	8	8
16	84	63	74	-2	64	0	0	0	29.90	03	6.4	6.6	12	410	50	8	7
17	83	60	72	-4	57	0	0	0	29.94	36	7.5	7.8	14	812	100	2	3
18	84	62	73	-3	60	0	0	0	29.93	02	7.8	8.6	15	730	90	4	3
19	82	59	71	-5	58	0	0	0	30.07	05	8.7	8.2	17	744	92	4	3
20	82	54	68	-8	57	0	0	0	30.08	07	7.3	8.2	12	686	85	6	6
21	89	61	75	-1	63	0	0	0	29.84	06	5.2	5.9	11	396	48	8	7
22	93	63	78	2	68	0	0	0	29.82	10	1.0	4.2	7	637	79	4	3
23	96	66	81	6	68	0	0	0	29.82	33	2.2	4.9	9	539	67	3	1
24	94	66	80	5	66	0	0	0	29.94	04	3.9	4.9	11	561	70	6	4
25	90	68	79	4	69	0	0	0	30.00	14	3.1	3.6	7	204	26	6	6
26	95	67	81	6	69	0	0	0	29.96	19	5.7	6.2	13	312	39	4	4
27	94	69	82	7	70	0	0	0	29.93	20	5.2	6.8	17	289	38	8	8
28	92	71	82	7	72	0	0	0	29.89	20	4.3	5.5	20	128	16	8	8
29	94	70	82	8	70	0	0	0	29.84	26	1.1	5.8	12	335	43	6	6
30	78	48	64*	-10	47	1	0	0	30.01	01	8.8	9.2	16	764	100	0	0
31	82	47*	65	-9	48	0	0	0	30.03	03	1.1	4.5	8	753	96	4	3
SUM	2730	1959				1	337		29.90	05	1.1	6.3	26	15136	7	175	163
AVG.	88.1	63.2	75.7	-0.6	64	1	-13						DATE: 14	POSSIBLE MONTH	AVG.	AVG.	AVG.
														25250	60	5.6	5.3
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW.									
MAXIMUM TEMP. ≥ 90°		MINIMUM TEMP. ≤ 32°		PRECIPITATION ≥ 1.0 INCH		THUNDERSTORMS ≥ 4		SNOW, ICE PELLETS									
16		0		1		85		CLEAR 7 PARTLY CLOUDY 13 CLOUDY 11									

AUGUST 1976 RICHMOND, VIRGINIA

NOAA

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † TRACE AMOUNT.  
 \* ALSO ON AN EARLIER DATE, OR DATES.  
 HEAVY FOG: - VISIBILITY 1/4 MILE OR LESS.  
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.  
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.  
 FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.  
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

### SUMMARY BY HOURS

LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
			AIR °F	WET BULB °F	DEW PT. °F	WIND CHILL °F				
01	9	29.88	69	66	64	86	4.6	01	4	
04	9	29.90	67	64	63	88	4.5	01	1.0	
07	9	29.93	68	65	64	86	5.4	36	2.0	
10	9	29.94	70	70	65	82	7.7	02	1.0	
13	6	29.90	85	71	64	60	8.6	04	1.0	
16	6	29.87	84	71	64	51	8.6	10	1.6	
19	6	29.88	78	69	64	63	6.5	09	2.5	
22	5	29.81	71	66	64	79	4.2	11	1.5	

### HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								

SUBSCRIPTION PRICE: \$2.55 PER YEAR. FOREIGN MAILING \$1.85 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE. 20 CENTS FOR ANNUAL SUMMARY. OTHER DATA IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS, ORDERS, AND INQUIRIES TO NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	CEILING	WIND	TEMPERATURE				WIND	WIND	WIND	TEMPERATURE	TEMPERATURE	TEMPERATURE	WIND	WIND	TEMPERATURE	TEMPERATURE	TEMPERATURE	WIND	WIND
				AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %													
DAY 01																				
01	10	250	4	76	73	72	87	24	5	10	50	12			66	60	56	70	04	5
04	10	250	7	72	67	64	76	36	9	10	50	12			66	61	58	70	01	5
07	0	UNL	10	72	66	63	73	35	9	10	80	10			68	63	60	76	02	6
10	0	UNL	10	81	68	60	40	36	10	10	100	10			75	66	60	60	05	9
13	2	UNL	10	84	68	58	43	36	10	10	120	12			77	67	61	58	04	9
16	6	40	10	86	68	60	42	06	6	10	120	8			77	65	58	52	02	9
19	6	50	8	80	67	60	51	05	6	10	120	8			73	62	55	53	03	7
22	7	50	10	74	65	60	62	04	3	10	40	12			69	61	56	63	01	3
DAY 02																				
01	0	UNL	12	61	60	59	93	35	5	5	UNL	10			64	61	59	84	18	4
04	0	UNL	10	60	59	58	93	34	5	5	UNL	10			59	58	58	97	00	4
07	0	UNL	10	64	62	60	87	35	4	10	80	7			66	64	63	80	00	0
10	0	UNL	10	78	67	60	54	03	5	10	UNL	7			80	71	66	62	22	7
13	4	UNL	12	83	66	56	40	04	7	4	UNL	7			87	70	61	42	21	6
16	6	40	10	82	67	57	43	18	6	6	80	7			80	71	61	38	22	9
19	2	UNL	10	76	67	61	60	15	5	4	UNL	7			82	69	61	46	18	6
22	0	UNL	10	67	62	59	76	15	3	4	UNL	7			75	67	63	66	19	5
DAY 03																				
01	10	120	7	74	68	65	74	18	5	10	110	6			74	72	71	90	12	4
04	7	80	3	72	68	67	84	17	6	8	80	6			73	72	71	93	17	4
07	10	250	3	73	68	67	82	18	6	10	20	2			70	68	68	93	18	6
10	8	250	3	84	73	67	57	20	9	10	50	6			73	71	70	90	21	3
13	10	300	5	88	73	66	46	16	9	10	250	7			79	73	77	77	18	3
16	10	100	5	82	74	67	62	3	9	10	200	7			80	73	69	69	17	4
19	10	100	5	80	73	70	72	00	4	9	170	8			75	72	71	87	12	5
22	10	110	6	75	72	70	85	13	4	10	8	8			72	71	70	83	00	0
DAY 04																				
01	0	UNL	12	61	60	59	93	35	5	5	UNL	10			64	61	59	84	18	4
04	0	UNL	10	60	59	58	93	34	5	5	UNL	10			59	58	58	97	00	4
07	0	UNL	10	64	62	60	87	35	4	10	80	7			66	64	63	80	00	0
10	0	UNL	10	78	67	60	54	03	5	10	UNL	7			80	71	66	62	22	7
13	4	UNL	12	83	66	56	40	04	7	4	UNL	7			87	70	61	42	21	6
16	6	40	10	82	67	57	43	18	6	6	80	7			80	71	61	38	22	9
19	2	UNL	10	76	67	61	60	15	5	4	UNL	7			82	69	61	46	18	6
22	0	UNL	10	67	62	59	76	15	3	4	UNL	7			75	67	63	66	19	5
DAY 05																				
01	10	120	7	74	68	65	74	18	5	10	110	6			74	72	71	90	12	4
04	7	80	3	72	68	67	84	17	6	8	80	6			73	72	71	93	17	4
07	10	250	3	73	68	67	82	18	6	10	20	2			70	68	68	93	18	6
10	8	250	3	84	73	67	57	20	9	10	50	6			73	71	70	90	21	3
13	10	300	5	88	73	66	46	16	9	10	250	7			79	73	77	77	18	3
16	10	100	5	82	74	67	62	3	9	10	200	7			80	73	69	69	17	4
19	10	100	5	80	73	70	72	00	4	9	170	8			75	72	71	87	12	5
22	10	110	6	75	72	70	85	13	4	10	8	8			72	71	70	83	00	0
DAY 06																				
01	0	UNL	12	61	60	59	93	35	5	5	UNL	10			64	61	59	84	18	4
04	0	UNL	10	60	59	58	93	34	5	5	UNL	10			59	58	58	97	00	4
07	0	UNL	10	64	62	60	87	35	4	10	80	7			66	64	63	80	00	0
10	0	UNL	10	78	67	60	54	03	5	10	UNL	7			80	71	66	62	22	7
13	4	UNL	12	83	66	56	40	04	7	4	UNL	7			87	70	61	42	21	6
16	6	40	10	82	67	57	43	18	6	6	80	7			80	71	61	38	22	9
19	2	UNL	10	76	67	61	60	15	5	4	UNL	7			82	69	61	46	18	6
22	0	UNL	10	67	62	59	76	15	3	4	UNL	7			75	67	63	66	19	5
DAY 07																				
01	10	120	7	74	68	65	74	18	5	10	110	6			74	72	71	90	12	4
04	7	80	3	72	68	67	84	17	6	8	80	6			73	72	71	93	17	4
07	10	250	3	73	68	67	82	18	6	10	20	2			70	68	68	93	18	6
10	8	250	3	84	73	67	57	20	9	10	50	6			73	71	70	90	21	3
13	10	300	5	88	73	66	46	16	9	10	250	7			79	73	77	77	18	3
16	10	100	5	82	74	67	62	3	9	10	200	7			80	73	69	69	17	4
19	10	100	5	80	73	70	72	00	4	9	170	8			75	72	71	87	12	5
22	10	110	6	75	72	70	85	13	4	10	8	8			72	71	70	83	00	0
DAY 08																				
01	0	UNL	12	61	60	59	93	35	5	5	UNL	10			64	61	59	84	18	4
04	0	UNL	10	60	59	58	93	34	5	5	UNL	10			59	58	58	97	00	4
07	0	UNL	10	64	62	60	87	35	4	10	80	7			66	64	63	80	00	0
10	0	UNL	10	78	67	60	54	03	5	10	UNL	7			80	71	66	62	22	7
13	4	UNL	12	83	66	56	40	04	7	4	UNL	7			87	70	61	42	21	6
16	6	40	10	82	67	57	43	18	6	6	80	7			80	71	61	38	22	9
19	2	UNL	10	76	67	61	60	15	5	4	UNL	7			82	69	61	46	18	6
22	0	UNL	10	67	62	59	76	15	3	4	UNL	7			75	67	63	66	19	5
DAY 09																				
01	10	120	7	74	68	65	74	18	5	10	110	6			74	72	71	90	12	4
04	7	80	3	72	68	67	84	17	6	8	80	6			73	72	71	93	17	4
07	10	250	3	73	68	67	82	18	6	10	20	2			70	68	68	93	18	6
10	8	250	3	84	73	67	57	20	9	10	50	6			73	71	70	90	21	3
13	10	300	5	88	73	66	46	16	9	10	250	7			79	73	77	77	18	3
16	10	100	5	82	74	67	62	3	9	10	200	7			80	73	69	69	17	4
19	10	100	5	80	73	70	72	00	4	9	170	8			75	72	71	87	12	5
22	10																			